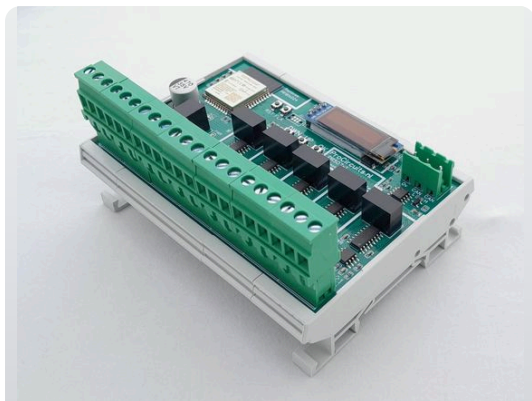


Dimmer for two or five Nirolo/Olorin displays with potentiometer control, isolated outputs

Article numbers PR507, PR517



The PR517 and PR507 convert one potentiometer into two or five potentiometer outputs, each for a Nirolo or Olorin display with potentiometer control. This lets you dim two or five displays at once with a single knob. The outputs are galvanically isolated from each other, from the input and from the supply to prevent ground loops. For more displays, several modules can be linked to the same potentiometer.

Price on request. Lead time on request. Not in stock? We will make it.

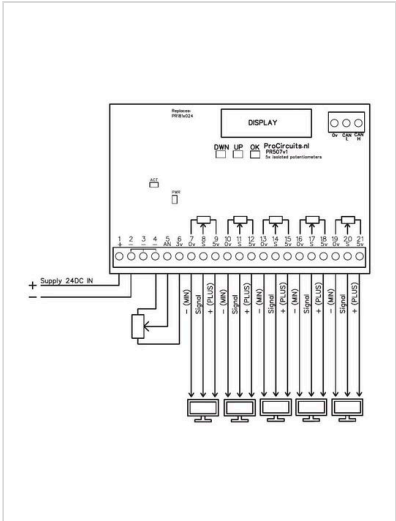
Article number	Version
PR507	Five displays (terminals 7 to 21); 113 x 83 mm with DIN rail enclosure
PR517	Two displays (terminals 7 to 12); 67 x 83 mm with DIN rail enclosure

Specifications

Supply	7 to 36 V DC
Input	Potentiometer on terminals 4 (minus), 5 (signal) and 6 (plus)
Output	Two (PR517) or five (PR507) 10 k Ω potentiometer outputs, 5 V DC max.; 5, 50 or 100 k Ω on request
Isolation	Outputs galvanically isolated from each other, from the input and from the supply
Setup	Display with UP, DOWN and OK buttons
Ambient temperature	-25 to 55 °C, non-condensing
Dimensions	PR517: 67 x 83 mm with DIN rail enclosure, 65 x 72 mm without; PR507: 113 x 83 mm with DIN rail enclosure, 110 x 72 mm without

Connections

Terminal 1	Supply plus
Terminal 2	Supply minus
Terminal 3	Minus (0 V), connected to terminal 2
Terminal 4	Potentiometer input, minus
Terminal 5	Potentiometer input, signal (wiper)
Terminal 6	Potentiometer input, plus
Terminal 7	Potentiometer output 1, minus
Terminal 8	Potentiometer output 1, signal (wiper)
Terminal 9	Potentiometer output 1, plus: connect the 5 V from the display here
Terminal 10	Potentiometer output 2, minus
Terminal 11	Potentiometer output 2, signal (wiper)
Terminal 12	Potentiometer output 2, plus: connect the 5 V from the display here
Terminal 13	Potentiometer output 3, minus (PR507 only)
Terminal 14	Potentiometer output 3, signal (wiper) (PR507 only)
Terminal 15	Potentiometer output 3, plus: connect the 5 V from the display here (PR507 only)
Terminal 16	Potentiometer output 4, minus (PR507 only)
Terminal 17	Potentiometer output 4, signal (wiper) (PR507 only)
Terminal 18	Potentiometer output 4, plus: connect the 5 V from the display here (PR507 only)
Terminal 19	Potentiometer output 5, minus (PR507 only)
Terminal 20	Potentiometer output 5, signal (wiper) (PR507 only)
Terminal 21	Potentiometer output 5, plus: connect the 5 V from the display here (PR507 only)



Setup

1. Connect the supply to terminal 1 (plus) and terminal 2 (minus).
2. Connect the potentiometer to terminals 4 (minus), 5 (signal) and 6 (plus).
3. Connect each display to a potentiometer output (terminals 7 to 12 on the PR517, 7 to 21 on the PR507): minus, signal and plus. The module supplies no voltage on the plus terminal; connect the 5 V from the display there.
4. Turn the potentiometer fully anticlockwise. In the menu, select Set input min, press OK, select YES and press OK again.
5. Turn the potentiometer fully clockwise. Select Set input max, press OK, select YES and press OK again.
6. Store the settings: select SAVE, press OK, select YES and press OK again.
7. More displays than outputs: connect the other modules in the same way, but without a potentiometer and with terminal 6 left free.
8. Link terminals 4 and 5 of all modules together. All modules then follow the same potentiometer.
9. Test the operation after installation. Provide a backup control if a failure of the module in a critical system could cause damage or injury.

More information, price and lead time: www.procircuits.nl/en/products/pr507

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